

**GENERAL NOTES:**

1. For type of block and joint finish, see other sheets.
2. When blocks are laid in stacked bond, ladder type, galvanized joint reinforcement shall be provided. A minimum of 2-9 gauge wires continuous at 4'-0" maximum to be used. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
3. Horizontal joints shall be tooled concave or may be weathered. Vertical joints shall be tooled concave or may be raked.
4. For intermediate wall heights that are between the "H's" given, use the tabular information for the next higher "H".
5. Masonry strengths are listed in the "SOUND WALL REINFORCEMENT TABLE". See Standard Plan B15-3.

**DESIGN NOTES:****DESIGN**

Uniform Building Code, 1997 Edition  
and the Bridge Design Specifications.

**DESIGN WIND LOAD**

20 psf

**DESIGN SEISMIC LOAD**

0.57 Dead load

**REINFORCED CONCRETE**

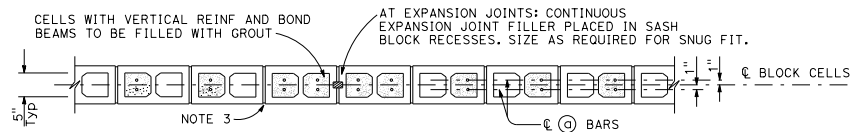
$f'_c = 3.6$  ksi  
 $f_y = 60$  ksi

**CONCRETE MASONRY****REGULAR STRENGTH**

$f'_m = 1500$  psi  
 $f_b = 495$  psi  
 $f_s = 24,000$  psi  
 $n = 25.8$

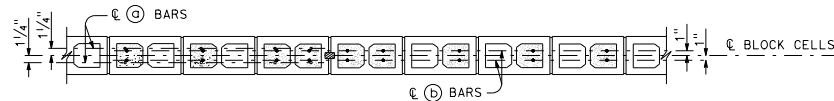
**HIGH STRENGTH**

$f'_m = 2000$  psi     $f'_m = 2500$  psi  
 $f_b = 660$  psi     $f_b = 830$  psi  
 $f_s = 24,000$  psi     $f_s = 24,000$  psi  
 $n = 19.3$      $n = 15.5$

**SECTION A-A**

For details not shown, see other sections.

**H=6'-0" THRU H=10'-0"**

**SECTION A-A****SECTION B-B**

For details not shown, see other sections.

**H=12'-0" THRU H=16'-0"**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER

May 31, 2018

PLANS APPROVAL DATE

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
Tilgert Satter  
No. C42892  
Exp. 3-31-20  
CIVIL  
STATE OF CALIFORNIA

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**SOUND WALL  
MASONRY BLOCK ON PILE CAP  
DETAILS (2)**

NO SCALE

**B15-4**